

Current Claims Schedule

- 1 1. (Currently Amended) An electric device with a two-wire interface, said two-wire in-
2 terface serving to deliver electric power to the electric device and to transmit a signal,
3 with the maximum power consumption of the electric device during normal operation
4 being restricted to a predefined upper limit, wherein the permissible power consumption
5 of the electric device is automatically and temporarily increased beyond said predefined
6 upper limit when the electric device is switched into a special operational function mode
7 whereby more electric power is available to the electric device while in the special func-
8 tion mode.
- 1 2. (Currently Amended) The electric device as in claim 1, wherein an operation selected
2 from the group consisting of a software update, and/or a calibration process and/or a di-
3 agnostic function and/or a maintenance function is/are and is considered to constitute a
4 special operational function.
- 1 3. (Original) The electric device as in claim 1 or 2, wherein the two-wire interface con-
2 sists of an analog power input connection with a normal current range from 4 to 20 mA
3 and in the special operational function mode of the electric device, the maximum permis-
4 sible power consumption is increased to 22 mA.
- 1 4. (Original) The electric device as in claim 1 or 2, wherein the two-wire interface is a
2 digital bus connector and in the special operational function mode of the electric device,
3 the maximum permissible power consumption is raised to a value that corresponds to the
4 FDE value of the measuring device.
- 1 5. (Original) The electric device as in claim 4, wherein the digital bus connector serves
2 to transmit the signal even while in the special operational function mode of the electric
3 device.

1 6. (Original) A method for operating an electric device that incorporates a two-wire in-
2 terface which two-wire interface serves to feed electric power to the electric device while
3 also transmitting a signal, with the maximum power drawn by the electric device via the
4 two-wire interface during normal operation being restricted to a predefined upper limit,
5 wherein as the electric device is switched into a special operational function mode, the
6 permissible maximum power consumption of the electric device is automatically and
7 temporarily increased beyond the predefined upper limit.

1 7. (Currently Amended) The method as in claim 6, wherein an operation selected from
2 the group consisting of a software update, and/or a calibration process, and/or a diagnos-
3 tic function and and/or a maintenance function is/are is considered to constitute a special
4 operational function.

1 8. (Original) The method as in claim 6 or 7, wherein the two-wire interface consists of an
2 analog power input connection with a normal current range from 4 to 20 mA and in the
3 special operational function mode of the electric device, the maximum permissible power
4 consumption is increased to 22 mA.

1 9. (Original) The method as in claim 6 or 7, wherein the two-wire interface is a digital
2 bus connector and in the special operational function mode of the electric device, the
3 maximum permissible power consumption is raised to a value that corresponds to the
4 FDE value of the measuring device.

- 1 10. (Original) The method as in claim 9, wherein the digital bus connector serves to
2 transmit the signal even while in the special operational function mode of the electric de-
3 vice.